

|      |             |             |             |              |             |             |             |             |             |              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------|-------------|-------------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1    | CGGCACGGG   | GCCCCAGGGA  | AUAAGUAAAC  | CUUUGGUGCU   | GCGUCCGUGA  | GAUUUCAGCA  | UGGAUGCU    | CUACUAUUC   | CUGGGAUUTC  | UGCUCCUGGC   | M           | E | C | L | Y | Y | F | L | G | F | L | L | A |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 101  | UGCAAGAUUG  | CCACUUGAUG  | CGGCCAAACG  | AUUCAUGAU    | GUGCUGGGCA  | AUGAAAGACC  | UUCUGUUAC   | AUGAGGGAGC  | ACAAUCAAUU  | AAAUGGGCUGGG | +           | A | R | L | P | L | D | A | K | R | F | H | 0 | V | L | G | N | E | R | P | S | A | Y | M | R | F | H | N | Q | L | N | G | W |   |   |   |
| 201  | UCUUCUGAUG  | AAAUGACUG   | GAUAGGAAA   | CUCUACCGAG   | UGUGGAAGCG  | GGGAGACAUG  | AGGGAGAAAA  | ACUCCUGGAA  | GGGGAGGGGG  | GGGAGGGCCGU  | GGGAGGGCCGU | + | S | D | E | N | D | W | N | E | K | L | Y | P | V | W | K | R | G | D | M | R | W | K | N | S | W | K | G | R | V | Q | A | V |   |   |
| 301  | UCUGACCAAG  | UGACUACCA   | GCCCCUCGUGG | GUCAAAAUAU   | AACAUUUGCG  | GUGAACCCUGA | UAAUCCCUAG  | AUGGCCAAAG  | GAAGAUGCCA  | AUGGCAACAU   | +           | V | L | T | S | D | S | P | A | L | V | G | S | N | I | T | F | A | V | N | L | I | T | P | R | C | Q | K | E | O | A | N | G | N | I |   |
| 401  | AGUCUAUGAG  | AAGAACUGCA  | GAUAGGAGC   | UGGUUUAUUC   | UGGUUUAUUC  | UGGUUUAUUC  | UGGUUUAUUC  | UGGUUCAGGCA | UGGUUCAGGCA | UGGUUCAGGCA  | +           | I | V | Y | t | K | N | C | R | N | E | A | G | L | S | A | D | P | Y | V | Y | N | W | I | A | W | S | E | D | S | D | G | E | N | G |   |
| 501  | ACGGCCAAA   | GCCCAUAAA   | CGUCUUCCCCU | GAUGGAAAC    | CUUUUCCUCA  | CCACCCCCGGA | UGGAGAGAU   | GGAAUUCUAU  | CUACGUCUUC  | CACACACUUG   | +           | R | 6 | Q | V | F | Q | K | L | G | R | C | S | V | R | V | S | V | N | I | A | N | V | I | L | G | P | Q | L | M | E | V | T | V | Y | R |
| 601  | GUCAGUUU    | CCAGAAAUG   | GGACGAUUG   | UUCUGUGAUU   | CAGUGAGAU   | UUCUGUGAU   | ACAGCCAUG   | UGACACUUG   | UGGAAAGUGA  | CUGUCUACAG   | +           | R | R | H | 6 | R | A | Y | V | P | I | A | Q | V | D | V | Y | V | V | T | D | Q | I | P | V | F | V | I | M | I | Q | K | N | D |   |   |
| 701  | AAGACAUGGA  | CGGGCAUAG   | UCCCAUUGC   | ACAAGUGAAA   | GAUGGUACG   | UGGUAAAGGA  | UCAGAUUCCU  | GUUUUUGGGA  | CUAUGUCCA   | GAAGAACGAAU  | +           | R | N | S | S | D | E | T | F | L | K | D | L | P | V | L | I | H | D | P | S | H | F | L | N | Y | S | T | I | N | Y |   |   |   |   |   |
| 801  | CGAAAUUCAU  | CCGACGAAC   | CUUCCUCAAA  | GAUCUCCCA    | UUAUUUUGA   | UGUCCUGAUU  | CAUGAUCCUA  | GCCACUUCCU  | CAAUUAUUCU  | ACCAUUAACU   | +           | V | K | W | S | F | G | D | N | T | G | L | F | V | S | T | N | H | I | Y | V | L | N | G | I | F | S | I | N | L | T |   |   |   |   |   |
| 901  | ACAAGUGGAG  | CUCGGGGAU   | AUAUCUGGC   | UGUUUGUUUC   | CACCAAUCAU  | ACUGGAAUC   | ACACGUAUGU  | GUCAAUGGA   | ACCUUCAGCC  | UUAACCUAC    | +           | I | V | K | A | A | P | G | P | P | P | R | P | P | R | P | S | K | P | I | P | S | L | G | P | A | G | D | N | P | L |   |   |   |   |   |
| 1001 | UGUGAAAGCU  | GCAGCACCG   | GACCUUGGUCC | GCCACCCGCCA  | CCACACCCCA  | GACCUUCAAA  | ACCCACCCCU  | UCUUUAGGAC  | CUGCUUGGUGA | GAACCCCCCU   | +           | I | I | S | D | P | T | C | E | N | T | Q | N | R | Y | G | H | F | Q | A | I | I | I | V | E | G | I | L | F | V | N | I |   |   |   |   |
| 1101 | GACCUUGAGUA | GGAUUCCUGA  | UGAAAACUGC  | CAGAUUAACACA | GAUAUGGGCCA | CUUUCAAGCC  | ACCAUCACAA  | UGUUGAGGG   | AAUCUUAAGAG | GUUAACAUCA   | +           | I | 0 | M | I | D | V | L | M | P | W | P | E | S | S | L | I | D | F | V | V | I | C | Q | 6 | S | I | P | I | F | V | C | I |   |   |   |
| 1201 | UCCAGAUGAC  | AGACGUCCUG  | AUGCCGGUGC  | CAUGGCCUGA   | AAGCUCCUA   | AUAGACUUUG  | UCCUGGUCCUG | CCAAGGGAGC  | AUUCCACGG   | AGGUGUGUA    | +           | N | P | I | I | S | D | P | T | C | E | N | T | V | C | S | P | V | 0 | V | 0 | E | M | C | L | I | T | V | R | R | I | F | N |   |   |   |
| 1301 | CAUCAUUUCU  | GACCCACCU   | GCGAGAUAC   | CCAGAAACACA  | GUCUGCAGCC  | CUGUGGAUG   | GAUAGAGAU   | UGUCUGGUCA  | CUGUGAGACG  | AACCUUCAAU   | +           | S | 6 | 1 | Y | C | V | N | L | T | G | D | D | I | S | L | T | S | I | I | S | V | P | 0 | R | 0 | P | A | S | P |   |   |   |   |   |   |
| 1401 | GGGCUCTGGGA | CGUACUGUGU  | GAACCUCACC  | CUGGGGGGAUG  | ACACAAGCC   | GGCUCUCACU  | AGCACCUCUGA | UUCUGUUC    | UGACAGAGAC  | CGAGCCUCGC   | +           | P | L | R | M | A | N | S | A | L | I | S | V | G | C | L | A | I | F | V | I | V | I | S | L | L | V | Y | K | H | K | F | V | Y | N |   |
| 1501 | CUUUAAGGAU  | GGCAAAACAGU | GCCUGUAUC   | CCGUUUGGGCUG | CUGGCCAU    | UUUGUCACUG  | UGAUUCUCCU  | CUUGGUGUAC  | AAAAAACACA  | AGGAAUACAA   | +           | N | P | I | E | N | S | P | G | N | V | V | R | S | K | G | L | S | V | F | L | N | R | A | K | V | F | F | P | G | N | Q | F | K |   |   |
| 1601 | CCCAAUAGAA  | AAUAGUCCUG  | GGAAUGUGGU  | CAGAAGCAA    | CCGUUGCAAA  | CCGUUGCAAA  | CCGUUGCAAA  | CCGUUGCAAA  | CCGUUGCAAA  | CCGUUGCAAA   | +           | I | D | P | L | I | K | N | Q | E | F | K | G | V | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S |   |   |
| 1701 | GAUCCGGCUAC | UCAAAACCCA  | AGAAUUAUAAA | GGAGUUUCUU   | AAAUUUCGAC  | CUUGUUUCUG  | AAGCUCACUU  | UUCAGUGCCA  | UUGAUGUGAG  | AUGUGUGGA    | FIG 1       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

1801 GUCCGUAAU ACCUUUUUUU CCUAAAAGAUU AUUGUUAAAAGAUU AGAUUAAAAGAUU AUUGGUAAAAGAUU GUUGAUUUU UUUAUGGUUA AAUGUCAUUU UAGAGAUGGG

1901 GAGAGGGAUU AUACUGGAGG CAGCUUCAGC CAUGUUGUGA AACUGAUAAA AGCAACUTAG CAAGGCUCUCAU UUCAUUAUU UUUUAUGUUU CACUUUAAA

2001 GUCUJAGGUU ACUAGUAGGA UAGAAACACU GUGUCCCCGAG AGUAAGGAGA GAAGCUACUA UUGAUUAGAG CCUAAACCCAG GUUAACUGCA AGAAGAGGCC

2101 GGAUACUUUC AGCUUUCAU GUAAACUGUAU GCAUAAAGCC AAUGUAGUCC AGUUUCAAG AUCGUUACUUG AAUCUACUG AAUCUACAC CAAUACACAC

2201 UCAUGAACUC CUGAUGAAC AAUAACAGGC CCAAGCCUGU GGUAUGAUGU GCACACUUGC UGACUUCAGA AAAAUUACUA CUCUCAAAA UGGGGGGAG

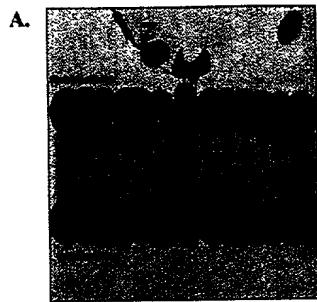
2301 UAUUUUGGUG ACAACCUACU UUGCUUUGGU GAGUGAAGGA AUGAUAUUCA UAUAUUCAU UAUUCAUUG AGUGCUUUU AUAUUACAGG

2401 CAUGAUGCUG AGUGACACUC UUGUGUAAU UUGGUAAU UUGGUACAUU UUUGAAUCA UUUGGACACAU GCGUGCAAGC AAAAUUUAAG ACUUUCAAA AAUUUUGGUCC

2501 CUGGUUUUC AUGGCAACUU GAUCAGUAAG GAUUCUCCU CUGUUGGAA CUAAAACCAU UUACUUAUG UUAGACAAGA CAUUUUUU UUUUCCUCC

2601 UGAAAAAAA AUGAGGGAAAG AGACAAAAAA AAAAAGGGAAA AAAAAGGGAAA AAAAAGGGAAA AAAAAGGGAAA AAAAAGGGAAA AAAAAGGGAAA

FIG. 1



B.

1 MECLYYFLGF LLLAARLPLD AAKRFHDVLG NERPSAYMRE HNQLNGWSSD  
51 ENDWNEKLYP VWKRGDMRWK NSWKGGRVQA VLTSDSPALV GSNITFAVNL  
101 IFPRCQKEDA NGNIVYEKNC RNEAGLSADP YVYNWTAWSE DSDGENGTGQ  
151 SHHNVFDPDGK PFPHPGWRR WNFIYVFHTL GQYFQKLGRC SVRVSVNTAN  
201 VTLGPQLMEV TVYRRHGRAY VPIAQVKDVFV VVTDQIPVVFV TMFQKNDRNS  
251 SDETFLKDLR IMFDVLIHDP SHFLNYSTIN YKWSFGDNTG LFVSTNHTVN  
301 HTYVLNGTFS LNLTVKAAAP GPCPPPPPPP RPSKPTPSLG PAGDNPLELS  
351 RIPDENCQIN RYGHFQATIT IVEGILEVNI IQMTDVLMV PWPESSLIDF  
401 VVTCQGSIPT EVCTIISDPT CEITQNTVCS PVDVDEMCLL TVRRTFNGSG  
451 TYCVNLTLGD DTSIALTSTL ISVPDRDPAS PLRM  
501 KEYNPIENSP GNVVRSKGLS VFLNRAKAVF FPGNQEKDPL  
551 LKNQEFGV

RGD = Cell Adhesion region

N = ASN Glycosylation Site

PKD Region

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FIG. 2

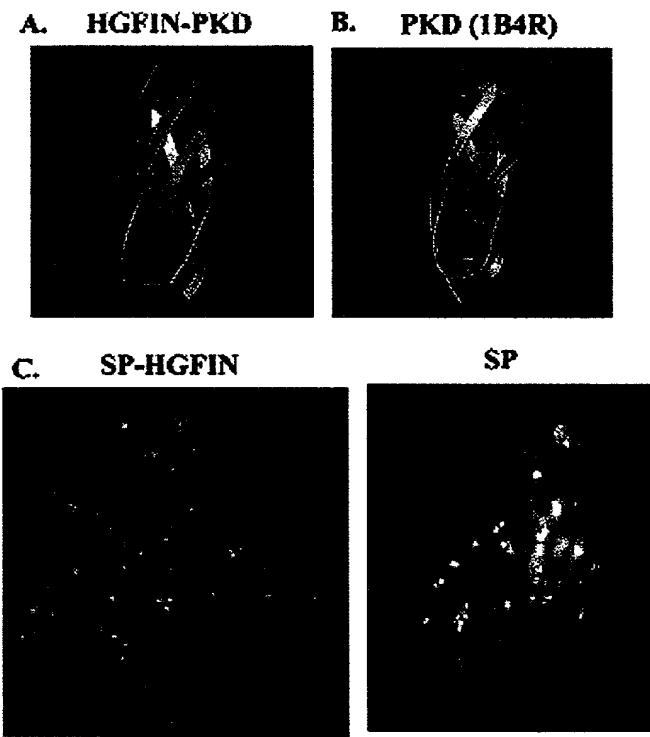


FIG 3

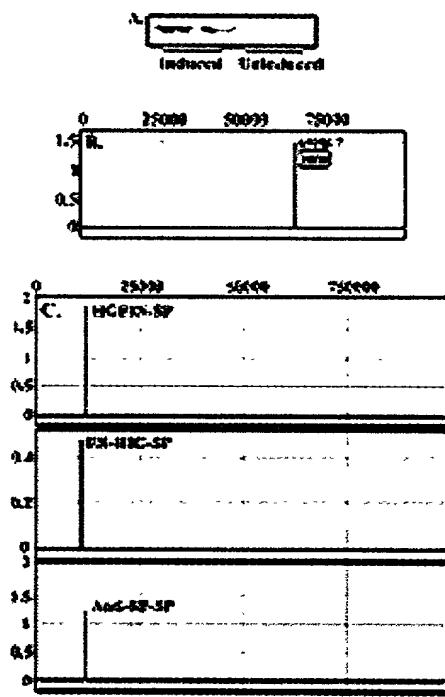
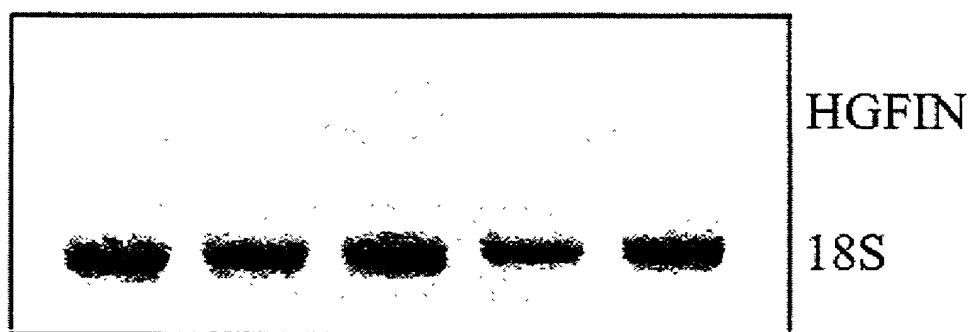
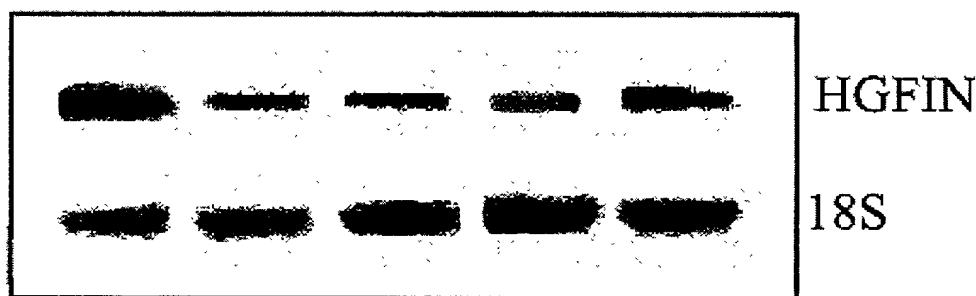


FIG 4

**A. BMNC**



**B. PBMC**



**C. Differentiated BMNC**

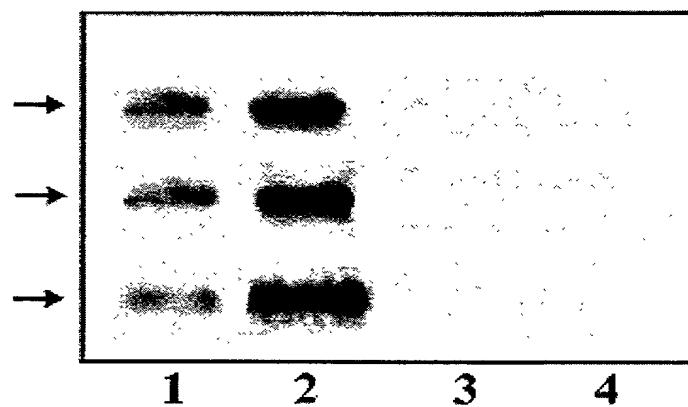


FIG. 5

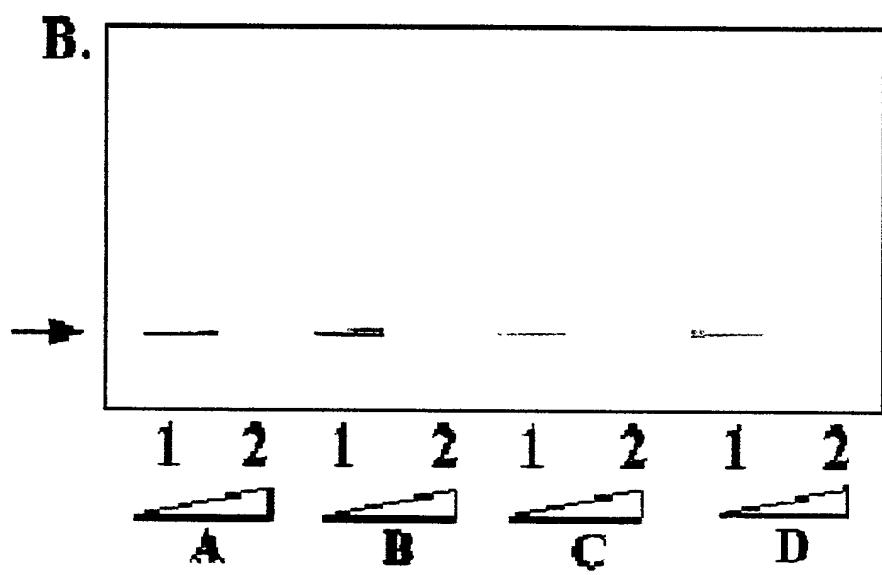
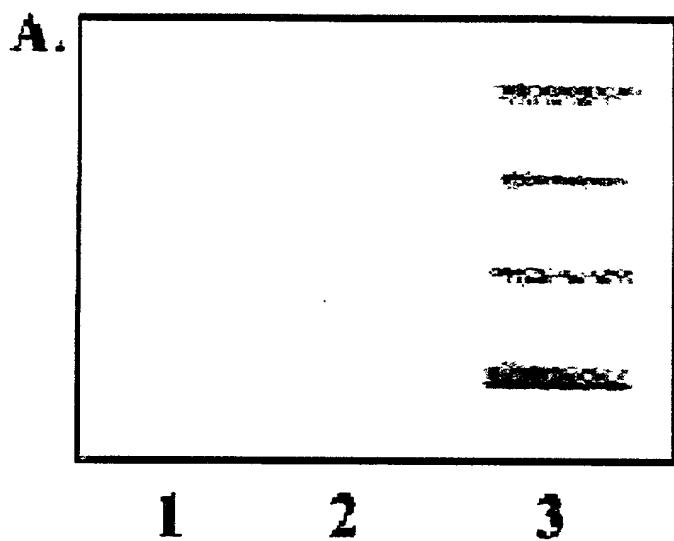


FIG. 6

SCF IL-11 IL-1 $\beta$  IL-1 $\alpha$  NGF IL-6 Unstimulated

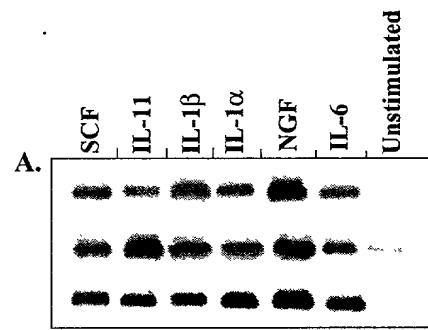


FIG. 7A

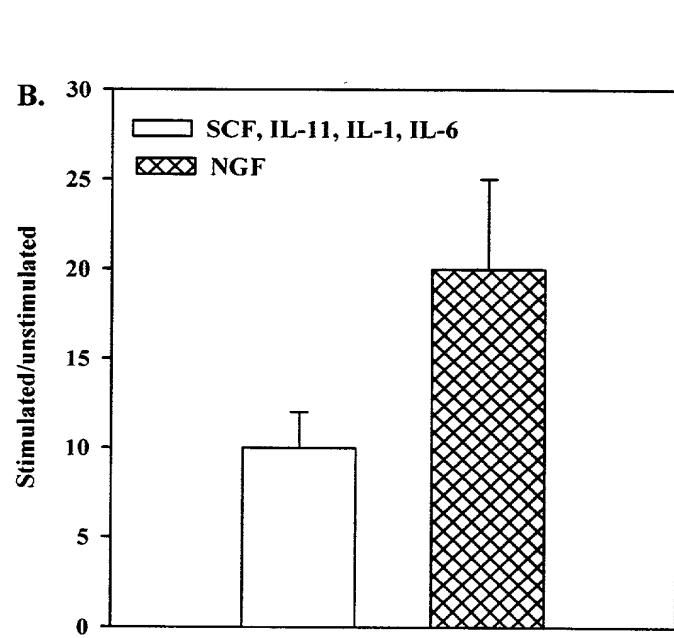


FIG 7B

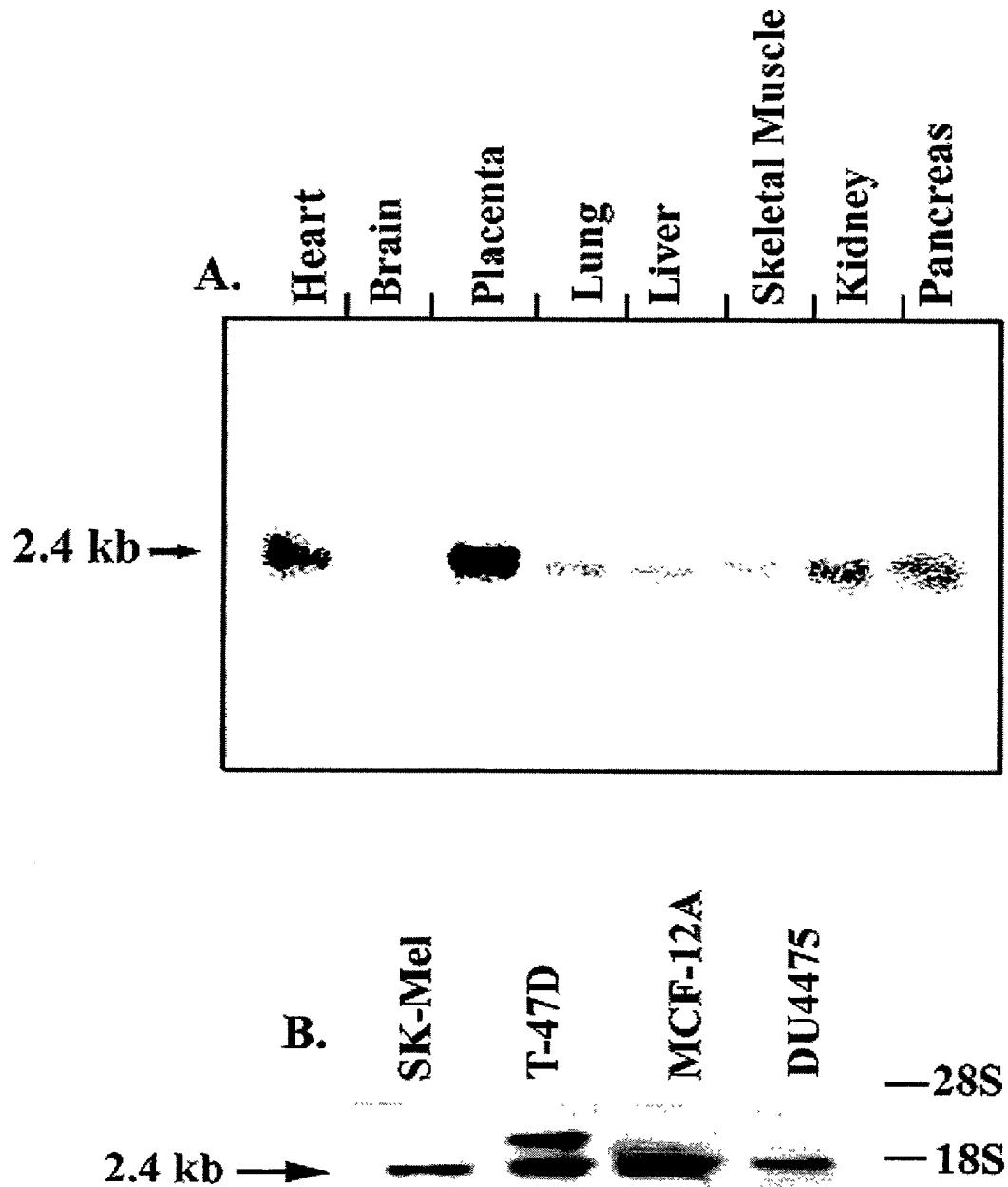


FIG. 8